

**REMARKS**

Upon entry of this Amendment, claims 1-6 and 9-14 are pending in the present application. Claims 1, 3, 5, 9 and 11 have been amended for the reasons mentioned below and to correct certain grammatical and general readability issues.

In regard to the office action dated June 27, 2002, the specification and drawings have been objected to and claims 1-6 and 9-14 have been rejected under 35 U.S.C. § 112, first and second paragraphs. Applicant has hereby amended the claims to address these issues. In particular, the portion of the claims reciting a deformation preventer *extending over at least end portions of said wires* has been amended. Accordingly, Applicant submits that the objections to the specification and drawings, as well as the rejections under § 112, have been obviated.

Additionally, claims 1-4 have been rejected under 35 U.S.C. § 102(b) as being anticipated by Waratani et al. (JP 4-64414); Claim 5 has been rejected under 35 U.S.C. § 103(a) as being unpatentable over Waratani et al. (JP 4-64414) in view of Huber (4,845,396); Claim 6 has been rejected under 35 U.S.C. § 103(a) as being unpatentable over Waratani et al. (JP 4-64414) and further in view of Yoshida (JP 4-34995); Claims 9-11 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over Applicant's Admitted Prior Art and Waratani et al. (JP 4-64414); Claims 12 and 13 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over Applicant's Admitted Prior Art and Waratani et al. (JP 4-64414) and further in view of Huber (4,845,396); and Claim 14 has been rejected under 35 U.S.C. § 103(a) as being unpatentable over Applicant's Admitted Prior Art and Waratani et al. (JP 4-64414), and further in view of Yoshida (JP 4-34995).

Lastly, claims 1-6 and 9-14 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over Byrne et al. (USP 3,544,857) and Nakazawa et al. (USP 5,648,682). However, the examiner has indicated that the rejections over Byrne and Nakazawa will be withdrawn in favor of the statutory bar rejection of Waratani and the obviousness rejections of Waratani, in an attempt to consolidate issues for the Board of Appeals and Interferences.

**Prior Art Rejections of Claims 1-6 and 9-14**

Because the cited prior art fails to teach or suggest at least the claimed deformation preventer as presently presented, Applicant respectfully traverses the prior art rejections and requests favorable reconsideration and disposition of the claims.

In particular, independent claim 1 recites, *inter alia*, a deformation preventer that extends over the wires and is *flush with end portions* of the wires. For example, as shown in figure 3 of the present specification, deformation preventer 62 is flush with the end portions of wires 63. As disclosed, deformation preventer 62 provides support to the wires during both the cutting operation of connections 64 as well as during the second insert resin molding procedure. Because the wires are cut at the boundary of the deformation preventer, the deformation preventer is flush with the ends of at least some of the wires 63. (See, for example, pages 9-10 of the specification and Fig. 3).

As shown in figure 4 of Waratani, 1<sup>st</sup> resin 2 runs longitudinally across the top surface of lead frame 1 to keep the lead frame from deforming during a subsequent resin molding procedure. (See page 9 of translation). None of the portions of 1<sup>st</sup> resin 2, however, are flush with the end of the connection pin 1-1. This is because the 1<sup>st</sup> resin 2 in Waratani is only used to

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prevent deformation when a 2<sup>nd</sup> resin 3 is applied. Unlike the claimed invention, 1<sup>st</sup> resin 2 is not located at the ends of the connection pins 1-1 and, thus, 1<sup>st</sup> resin 2 is not used to support lead frame 1 while the extraneous portions at 16 are removed.

For at least the above reason, independent claims 1 and 9, and all claims dependent thereon, specifically, claims 2-6 and 10-14, respectively, are patentably distinct over the prior art. Accordingly, the rejection of claims 1-6 and 9-14 should be withdrawn.

**Conclusion**

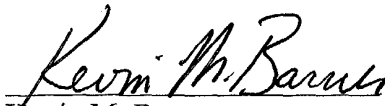
In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to **contact the undersigned** at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

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## APPENDIX

### VERSION WITH MARKINGS TO SHOW CHANGES MADE

#### IN THE CLAIMS:

**The claims are amended as follows:**

1. (Twice Amended) An insert conductor comprising:  
  
a conductor having a wiring section [which includes] with a plurality of wires, an outer frame surrounding the wiring section, and connections [which connect] connecting said outer frame and said wiring section and [which interconnect] interconnecting said wires; and  
  
a deformation preventer [which is] provided on said conductor [such that the deformation preventer extends over at least] and flush with end portions of said wires, said deformation preventer being [and which is] operable to prevent at least the end portions of the wires from being deformed during a cutting or an [by a resin injection pressure applied during] insert resin molding procedure.
  
3. (Twice Amended) The insert conductor according to claim 1, wherein said deformation preventer [is provided with] includes an engaging portion [that engages a portion to be engaged which is formed in] operable to engage a discrete wire.
  
5. (Twice Amended) The insert conductor according to claim 3, wherein said discrete wire is [the] a connector terminal of a brush holder.

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9. (Twice Amended) A vehicle generator comprising:

a fan which generates airflow;

a regulator;

a stator coil;

[an] a brush holder; and

a ventilation guide [which is] fixed to a peripheral portion of said brush holder, [wherein]  
[the] said ventilation guide [guides] operable to guide airflow, generated by said fan, to said  
regulator and said stator coil;

wherein, said brush holder [comprising:] includes,

a conductor [which has] with a wiring section composed of a plurality of wires, an outer  
frame surrounding the wiring section, and connections [which connect] connecting said outer  
frame and said wiring section and which interconnect said wires; and

an insulating member disposed [over] on at least end portions of the wires, said insulating  
member being operable to prevent [which prevents] at least the end portions of the wires from  
being deformed during a cutting or an [by a resin injection pressure applied during] insert resin  
molding procedure.

11. (Amended) The vehicle generator according to claim 9, wherein said insulating  
member [is provided with] includes an engaging portion [that engages] operable to engage [a  
portion to be engaged which is formed in] a discrete wire.